

# MATERIAL SAFETY DATA SHEET

## Thoro System Products

## Thoroseal Plaster Mix

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT IDENTIFICATION

Brand Name . . . . . Thoroseal Plaster Mix  
Common Name . . . . . Thoroseal Plaster Mix  
Formula . . . . . Mixture  
Molecular Weight. . . . . N/A  
Product Use . . . . . Cement-based Waterproof Coating for Concrete/Masonry

#### MANUFACTURER

ChemRex Inc.  
Commercial Construction Products  
889 Valley Park Drive  
Shakopee, MN 55379  
Telephone 612/496-6000

#### EMERGENCY TELEPHONE NUMBER

CHEMTREC  
800-424-9300

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component	CAS Number	%	ACGIH TLV	OSHA PEL
Calcium Hydroxide	1305-62-0	1 - 5	5 mg/m <sup>3</sup>	None
Silica, Crystalline Quartz	14808-60-7	65 - 70	0.1 mg/m <sup>3</sup> Respirable	See Section 9
All other nuisance particulates from organic or inorganic sources	NE	85 - 90	10 mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Respirable	15 mg/m <sup>3</sup> Total 5 mg/m <sup>3</sup> Respirable

Ingredients not precisely identified are proprietary or nonhazardous. Values are not product specifications. gt=greater than; lt=less than, ca=approximately, NE=not established, C=ceiling

### 3. PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance . . . . . White or gray powdered solid  
Odor . . . . . None  
pH . . . . . No data available - strongly basic when mixed with water  
Vapor Pressure (mm Hg) . . . . . Not applicable - solid at all service temperatures  
Vapor Density (Air=1) . . . . . Not applicable  
Boiling Point . . . . . No data available  
Solubility in Water. . . . . Slight  
Specific Gravity (H<sub>2</sub>O=1) . . . . . No data  
% Volatile by Volume . . . . . Negligible

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#### 4. FIRE AND EXPLOSION HAZARD DATA

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Flash Point (Method Used): None

Upper Explosive Limit: NA

Lower Explosive Limit: NA

EXTINGUISHING MEDIA: NA

##### SPECIAL FIRE FIGHTING PROCEDURES

Not applicable

##### UNUSUAL FIRE AND EXPLOSION HAZARDS

None Known

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#### 5. REACTIVITY DATA

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STABILITY (CHOOSE ONE): UNSTABLE

✓ STABLE

##### CONDITIONS TO AVOID

Product hydrates at a slow, controlled rate when mixed with water releasing minimal heat.

##### INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents such as organic and inorganic acids. Acids will react with cement, lime and carbonate.

##### HAZARDOUS DECOMPOSITION OR BYPRODUCTS

None

HAZARDOUS POLYMERIZATION (CHOOSE ONE): MAY OCCUR

✓ WILL NOT OCCUR

##### CONDITIONS TO AVOID

NA

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#### 6. HEALTH HAZARD DATA

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##### GENERAL

No toxicity information is available on this specific preparation; this health hazard assessment is based on information that is available on its components.

##### EYE CONTACT

This material can irritate and burn human eyes following contact. The aggregate particles may cause corneal abrasions.

##### SKIN CONTACT

Dryness, itching, rashes and burns can develop following contact with the skin. Skin abrasions can occur if material is rubbed against the skin. Dermatitis and skin sensitization can develop after repeated or prolonged exposure. This material is not absorbed through the skin.

##### INHALATION

Repeated inhalation of silica in excess of the TLV over extended periods can result in irreversible fibrosis of the lungs (silicosis). Overexposure to dusts can irritate the respiratory tract and cause damage to the mucous membranes of the upper respiratory tract. The International Agency for Research on Cancer (IARC) classified crystalline silica inhaled in the form of quartz cristobalite from occupational sources as *carcinogenic to humans*. This assignment was based on a relatively large number of epidemiological studies that provided *sufficient evidence* in humans for the carcinogenicity of inhaled crystalline silica.

#### INGESTION

No known toxic effects. May cause digestive tract irritation.

#### OTHER EFFECTS OF OVEREXPOSURE

No other clinical effects are known to be associated with this material.

#### EMERGENCY AND FIRST AID PROCEDURES

##### INHALATION

Remove victim to fresh air. If breathing is difficult, administer oxygen. Consult a physician.

##### INGESTION

Give one (1) or two (2) glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. Never give anything by mouth to an unconscious person.

##### EYE CONTACT

**Do not rub eyes.** Flush with water for at least 15 minutes. Obtain medical attention.

##### SKIN CONTACT

**Do not rub skin.** Wash with soap. Flush with water for at least 15 minutes.

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## 7. PRECAUTIONS FOR SAFE HANDLING AND USE

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#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Keep unnecessary people away. Follow personal protection procedures when cleaning spills. Collect spilled powder by dustless methods and place in a container. If necessary, dike spills of mixed materials, mix with absorbent material and shovel into waste containers. Avoid generating dust. Wet material may be slippery - Use caution to avoid falls.

#### WASTE DISPOSAL METHOD

Reuse powder or mixed material if uncontaminated. Discarded product and hardened mortar are non-hazardous under RCRA (40 CFR, part 261). Dispose of non-hazardous waste in compliance with applicable regulations.

#### CONTAINER DISPOSAL

Empty containers may retain small amounts of residual product. Observe all hazard precautions and personal protection recommendations when handling empty containers. Dispose of as a non-hazardous waste in accordance with all applicable regulations.

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## 8. SPECIAL PROTECTION INFORMATION

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#### TLV OR SUGGESTED CONTROL VALUE

No TLV has been assigned to this mixture. Minimize exposures in accordance with good hygiene practices.

#### VENTILATION

Use local exhaust to keep exposures below limits set for silica, cement and nuisance dusts.

## RESPIRATORY PROTECTION (SPECIFY TYPE)

Where exposures to dusts from this product may exceed the exposure limits an MSHA-NIOSH approved dust respirator for the dust should be used.

## PROTECTIVE CLOTHING

Gloves and protective clothing are recommended.

## EYE PROTECTION

Chemical tight goggles; full face shield if splashing is possible. Safety glasses if grinding, cutting, etc. of hardened material is required.

## OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eyewash, safety showers.

## SPECIAL PRECAUTIONS

Prevent skin and eye contact. Observe TLV limitations. Avoid breathing dusts. Sensitized individuals should not be exposed to the product which caused sensitization. Store in a cool, dry area off the ground. Minimize generation of dust.

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## 9. OTHER INFORMATION

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PEL for silica, crystalline quartz:

For respirable dust in $\text{mg}/\text{m}^3$ :	$\frac{10 \text{ mg}/\text{m}^3}{\% \text{ SiO}_2 + 2}$
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For total dust in $\text{mg}/\text{m}^3$ :	$\frac{30 \text{ mg}/\text{m}^3}{\% \text{ SiO}_2 + 2}$
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## PREPARATION INFORMATION

Prepared by . . . . . Regulatory Affairs Department - (612) 496-6000

Date Revised . . . . . July 15, 1999

Replaces . . . . . 10/20/97

## REVISION INFORMATION